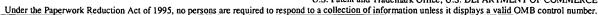


PTO/SB/01A (06-03)

Approved for use through 07/31/2003. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

As below named inventor(s), I/we declare that:  This declaration is directed to:  The attached application, or Application No. 10/634,577, filed on August 5, 2003.  as amended on (if applicable);  I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;  I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;  I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.  All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willfull false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.  FULL NAME OF INVENTOR(S)  Inventor two: Neal G, Skinner  Date: 31 OCT , 2003  Signature: Citizen of: US  Inventor three: Wilson C. Chin Date: , 2003  Signature: Date: , 2003  This collection of information is required to obtain or retain a benefit by the public	Title of Invention	Magnetorheological Fluid Controlled Mud Pulser							
The attached application, or Application No. 10/634,577, filed on August 5, 2003.    as amended on (if applicable);   I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;   I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;   I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.  All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.    FULL NAME OF INVENTOR(S)	As below named inventor(s), I/we declare that:								
Application No. 10/634,577, filed on August 5, 2003.    as amended on (if applicable);   I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;   I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;   I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.  All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.    FULL NAME OF INVENTOR(S)	This declaration is directed to:								
as amended on (if applicable);   I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;   I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;   I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.  All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.    FULL NAME OF INVENTOR(S)   Date: 31 OCT, 2003		The attached application, or							
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;   I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;   I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filling date of the prior application and the national or PCT International filling date of the continuation-in-part application.  All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.    FULL NAME OF INVENTOR(S)   Date: 31 OCT   2003		Application No. 10/634,577, filed on August 5, 2003.							
patent is sought;  I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;  I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.  All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.  FULL NAME OF INVENTOR(S)  Inventor one: Michael Fripp	as a	mended on (if applicable);							
by any amendment specifically referred to above;  I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.  All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.  FULL NAME OF INVENTOR(S)  Inventor one: Michael Fripp Date: 31 OCT , 2003  Signature: Date: 8 Jour , 2003  Signature: US  Inventor three: Wilson C. Chin Date:, 2003  Signature: Signed on Separate Sheet Citizen of:  Inventor four: Date:, 2003  Signature: Citizen of:  Date:, 2003  Signature: Date:, 2003  Signature: Citizen of:  Date:, 2003									
me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.  All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.  FULL NAME OF INVENTOR(S)  Inventor one: Michael Fripp Date: 31 OCT , 2003  Signature: Date: 8 DOCT , 2003  Signature: Date: 9.2003  Signature: Us  Inventor three: Wilson C. Chin Date:, 2003  Signature: Signed on Separate Sheet Citizen of:  Inventor four: Date:, 2003  Signature: Date:, 2003									
believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.  FULL NAME OF INVENTOR(S)  Inventor one: Michael Fripp  Date: 31 OCT, 2003  Signature: Citizen of: US  Inventor two: Neal G. Skinner  Citizen of: US  Inventor three: Wilson C. Chin  Date:, 2003  Signature: Signed on Separate Sheet  Citizen of:  Date:, 2003  Signature:, 2003  Signature: Citizen of:  Date:, 2003  Signature:, 2003  Signature:	me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT								
Inventor one: Michael Fripp  Signature: Citizen of: US  Inventor two: Neal G. Skinner  Date: 8 // 0 / , 2003  Signature: Citizen of: US  Inventor three: Wilson C. Chin  Date:, 2003  Signature: Signed on Separate Sheet  Citizen of:  Inventor four: Date:, 2003  Signature: Citizen of:  Date:, 2003  Citizen of:  Date:, 2003  Citizen of:	believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of								
Signature:    Citizen of: US	FULL NAME OF INV	VENTOR(S)							
Inventor two: Neal G. Skinner . Date: 8 Nov	Inventor one: Mic	hael Fripp	Date: 31 OCT	_, 2003					
Signature: Citizen of: US  Inventor three: Wilson C. Chin Date:	Signature:	has Frij	Citizen of: US						
Inventor three: Wilson C. Chin Date:	Inventor two: Nea	l G. Skinner	Date: <u>8 No V</u>	_, 2003					
Signature: Signed on Separate Sheet  Citizen of:  Date:	Signature:	les Hum	Citizen of: US						
Inventor four:  Date:	Inventor three: Wils	son C. Chin	Date:	_, 2003					
Signature: Citizen of:  Additional inventors are being named on additional form(s) attached hereto.	Signature: <u>Sign</u>	ned on Separate Sheet	Citizen of:						
Additional inventors are being named on additional form(s) attached hereto.	Inventor four:		Date:	_, 2003					
Additional inventors are being named on additional form(s) attached hereto.  This collection of information is required by 35 U.S.C. 115 and CER 163. The information is required to obtain or retain a benefit by the public.	Signature:		Citizen of:						
	Additional in	iventors are being named on	additional form(s) attach	ed hereto.					

This collection of information is required by 35 U.S.C. 115 and CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Atty. Dkt. No. 1391-41100

PTO/SB/01A (06-03)

Approved for use through 07/31/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention | Magnetorheological Fluid Controlled Mud Pulser

As below name	d invento	or(s), I/we dec	lare that:	,		·
This declaration	is direct	ed to:				
ļ. ;		The attache	ed application, or			
	$\boxtimes$	Application	n No. 10/634,577, fil	led on August 5, 2	2003.	•
	as ame	nded on	(if applicable);			
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;						
I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;						
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.						
All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.						
FULL NAME O	OF INVE	NTOR(S)			···-·	
Inventor one:	Michae	el Fripp		Date:		, 2003
Signature:	<u>Signed</u>	on Separate S	<u>Sheet</u>	Citizen of:		
Inventor two:	Neal G	. Skinner		Date:		, 2003
Signature:	Signed	on Separate S	<u>Sheet</u>	Citizen of:		
Inventor three:	Wilson	C. Chin		Date:		, 2003
Signature:				Citizen of:	<del>us</del>	
three Inventor <b>松</b> 雅:	Wils	on C. Chi	//	Date: 0	t20	, 2003
Signature:		Am C	· Chi	Citizen of:	US	<del></del>
		ntors are being			form(s) attac	
which is to file (and b	y the USP	ΓO to process) an	n application. Confidentia	ality is governed by 3	5 U.S.C. 122 ar	in or retain a benefit by the public and 37 CFR 1.14. This collection is

This collection of information is required by 35 U.S.C. 115 and CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.